Student's Name:		Date:		
TIPS:	Pantry Search			
Dear Family Partner, In math, we are identifying UN with me. The assignment is due		e you enjoy this activity		
I. LOOK THIS OVER: Exp	lain this example to y	our family partner.		
The label at the right shows that the packag Reese's Peanut Butter Cups weigh 1.6 oun (customary measure) which is the same as grams (metric measure).	2 PEANUT	CHOCOLATE BUTTER CUPS T 1.6 0Z (45 g)		
II. NOW, TRY THIS: Show you Almost all grocery store items have custom Search through your pantry and/or refriger and record the items and their customary a	ator to find five items with dif	re on the label. ferent weights or volume		
Name of Item	Customary	Metric		
Example: Coca-Cola	12 oz.	354 ml.		

IN THE REAL WORLD	Work with your family partner to do this.
According to the labels recorded, wh	hat products (and how many) could be combined to equal:
1) a pound?	
2) a gallon?	
3) a kilogram?	
4) a liter?	
III. HOME-TO-SCHOOL	COMMUNICATION
Dear Family Partner, Please give me your rea NO for each statement.	ctions to your child's work on this activity. Write YES or
l. My child understood	the homework and was able to complete it.
2. My child and I enjoye	ed the activity.
3. This assignment help	ed me know what my child is learning in math.

Student's Name:	Date:
	TIPS: Formulas of Life!
Dear Family Partner, In math, we are worl me. The assignment is due	king with FORMULAS . I hope you enjoy this activity with Sincerely,
I. LOOK THIS OVER:	Explain this example to your family partner.
d = rt (distance	between two or more variables. It rectangle equals the length times the width) It traveled equals the rate of speed times the amount of time traveled) It price equals the regular price minus the discount)
the formula $d = rt$.	a average speed of 50 miles per hour. How long did the trip take? Use = 50t (Divide both sides of the equation by 50) = t
II. NOW, TRY THIS:	Show your family partner how you do these examples.

A rectangular swimming pool is 30 feet (length) by 15 feet (width). What is the area? (Use the formula for area shown above.)

The regular price of a coat was \$215. The discount was \$50. What was the sale price?

ים בביתי זאז ו	$D \Box X I$	$\nabla \nabla $
	KEML	WORLD

Work with your family partner to do this.

Work with your family partner to create a story problem for each formula that was given in section I. Use the appropriate formula to solve each problem. **BE CREATIVE!!**

ANSWER TO "NOW, TRY THIS":

 $\Delta = 1$

Area = length x width

 $A = 30 \times 15$

A = 450 sq. ft.

s = r - d

s = 215 - 50

s = \$165

III. HOME-TO-SCHOOL COMMUNICATION

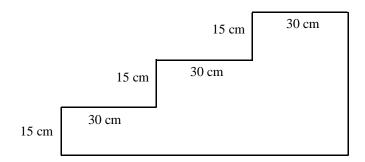
Dear Family Partner,

Please give me your reactions to your child's work on this activity. Write YES or NO for each statement.

- _____ l. My child understood the homework and was able to complete it.
- _____ 2. My child and I enjoyed the activity.
- _____ 3. This assignment helped me know what my child is learning in math.

Student's Name:	Date:
ר י	TIPS: On the Edge!
Dear Family Partner, In math, we are CALCUI with me. The assignment is due	LATING PERIMETER. I hope you enjoy this activity e Sincerely,
I. LOOK THIS OVER:	Explain this example to your family partner.
Remember: To find the perimeter lengths of <u>all</u> sides.	er of a polygon (a closed figure with sides), you add the $er = 10 \text{ m} + 8 \text{ m} + 7 \text{ m} + 3 \text{ m} + 7 \text{ m} = 35 \text{ m}.$
	ow your family partner how you do this ample.
Find the perimeter of this parallelogram: Perimeter =	6 ft
III. PRACTICE SES-	Complete these examples on your own. Show your work. Explain one example to your family partner.
1) Find the perimeter of a square wi	ith sides of 23 inches
Perimeter =	

2) Find the perimeter:



IN THE REAL WORLD...

Work with your family partner to do this.

Using the metric ruler that your teacher gave you, find the perimeter of the following items with your family partner.

- 1) Your TV screen
- 2) Your refrigerator door
- 3) Choose another item to measure with your family partner

ANSWER TO "NOW, TRY THIS":

Perimeter =
$$6 \text{ ft.} + 4 \text{ ft.} + 6 \text{ ft.} + 4 \text{ ft.} = 20 \text{ ft.}$$

IV. HOME-TO-SCHOOL COMMUNICATION

Dear Family Partner,

Please give me your reactions to your child's work on this activity. Write YES or NO for each statement.

l. My child understood the homework and was able to complet

2. N	My child	and I enjoyed	the activity
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3	}.	This	assignme	nt helpe	d me	know	what my	child is	s learning	in math
	-			<u>-</u>					9	

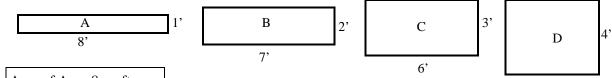
Student's Name:	Date:
	TIPS: See Spot Run!
Dear Family Partner, In math, we are study signment is due	ring AREA . I hope you enjoy this activity with me. The as- Sincerely,
I. LOOK THIS OVER:	Explain this example to your family partner.
squares to create each pen and re	ke a dog pen. What rectangular pens can be made? Use your ecord the number of squares used for each. What is this measure
7' 1'	B 2' C 3' D 4'
Which pen would Spot like best?	Why? 5'
area which is D, 16 squ	area. Spot would like the pen with the largest ware feet, so he would have more room to run.
You have 18 feet of fence to make rectangle on this sheet. Find the	how your family partner how you do this example ke a dog pen. Make rectangles with your squares and sketch each area of each square by counting. Now find the area in a difference a method for finding the area of a rectangle.
III. PRACTICE SECTION	ON: Complete this example on your on. Show

Now use 20 feet of fence and make all the rectangular dog pens that you can. Sketch each one and find the area both by counting and multiplying. Choose the pen that Spot would like.

Work with your family partner to do this.

Use the ages of 2 or 3 family members (up to 40) to represent the number of feet of fence you have. Make rectangular dog pens using the fence, sketch and label each one, then find the area of each. Make any observations you can about the number of pens you can make and why. If you need more space, use another sheet of paper.





Area of A = 8 sq. ft.

Area of B = 14 sq. ft.

Area of C = 18 sq. ft.

Area of D = 20 sq. ft.

To find the area in a different way, multiply length x width.

$$A = 8 \times 1 = 8 \text{ sq. ft.}$$

$$C = 6 \times 3 = 18 \text{ sq. ft.}$$

$$B = 7 \times 2 = 14 \text{ sq. ft.}$$

$$D = 5 x 4 = 20 sq. ft.$$

IV. HOME-TO-SCHOOL COMMUNICATION

Dear Family Partner,

Please give me your reactions to your child's work on this activity. Write YES or NO for each statement.

- _____ 1. My child understood the homework and was able to complete it.
- _____ 2. My child and I enjoyed the activity.
- ______ 3. This assignment helped me know what my child is learning in math.

Student's Name	Date:
	TIPS: Around and Around We Go!
D = 11 D /	

Dear Family Partner,
In math, we are finding the CIRCUMFERENCE OF A CIRCLE. I hope you enjoy this activity with me. The assignment is due _______.

Sincerely,

I. LOOK THIS OVER:

Explain this example to your family partner.

Remember: 1) The circumference (C) is the distance around a circle.

2) A diameter (d) is a line segment that passes through the center from one edge to the other.

3)
$$\pi = \frac{C}{d}$$
 $\pi \cdot 3.14$

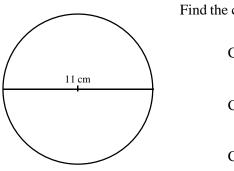
Example:

 $C \cdot \pi \cdot C \cdot 3.14 \cdot 4$

C • 12.56 cm

II. NOW, TRY THIS:

Show your family partner how you do this example.



Find the circumference of this circle. Use 3.14 for π .

 $C \cdot \pi \cdot$

C •

C •

IN THE REAL WORLD...

Ask your family partner to help you do the following steps.

- 1) Find three different flat circular items.
- 2) Next, cut a piece of string, thread, or yarn that measures exactly across the center of the item from edge to edge.
- 3) Compute the circumference of each item.
- 4) Cut a piece of string, thread, or yarn that measures exactly around the item. This is the circumf rence.

5) Does the length of each string match the results you computed? How many times does the diameter string fit onto the circumference string?
WORK SPACE FOR PRACTICE
ANCIALED TO UNIONA TIDA TILICA.
ANSWER TO "NOW, TRY THIS":
C • π •
C • 3.14 • 1
C • 34.54 cm
III. HOME-TO-SCHOOL COMMUNICATION
Dear Family Partner, Please give me your reactions to your child's work on this activity. Write YES or
NO for each statement.
1. My child understood the homework and was able to complete it.
2. My child and I enjoyed the activity.
3. This assignment helped me know what my child is learning in math.
Any other comments:

Epstein, J.L., Salinas, K.C., Jackson, V., & Van Voohis, F.E. (revised 2000). Teachers Involve Parents in Schoolwork (TIPS) Interactive Homework for the Middle Grades. Baltimore: Center on School, Family, and Community Partnerships, Johns Hopkins University.

Student's Name:	Date:	

TIPS: Parts Is Parts!

Dear Family Partner,

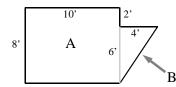
In math, we are studying area of irregular shapes. I hope you enjoy this activity with me. The assignment is due $___$.

Sincerely,

I. LOOK THIS OVER:

Explain this example to your family partner.

Sometimes we have to find the areas of irregular shapes. We have to cut the figure into shapes that we can find the area of.



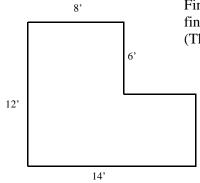
Area of A = length x width = 10 x 8 = 80 sq. ft.

Area of $B = \frac{1}{2} x$ base x height = $\frac{1}{2} x 4 x 6 = 2 x 6 = 12$ sq. ft.

Total area = 80 + 12 = 92 sq. ft.

II. NOW, TRY THIS:

Show your family partner how you do this example.

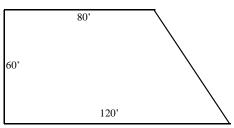


Find the area of this figure. Use broken lines to cut it into shapes, then find the area. Notice that you will have to find some missing lengths. (There is more than one way to do this problem.)

III. PRACTICE SECTION:

Complete this example on your on. Show

You are going to purchase a piece of property which looks like this:



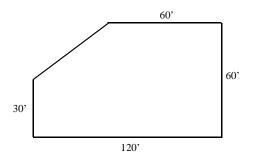
How many square feet of land are you going to buy?

*** CONTINUE YOUR WORK ON THE BACK OF THIS PAGE ***

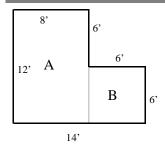
IN THE REAL WORLD...

Work with your family partner to do this.

Your back yard looks like this. Use broken lines to cut it into shapes, then find the area.



ANSWER TO "NOW, TRY THIS":



Area of A = length x width = 12 x 8 = 96 sq. ft.

Area of B = length x width = $6 \times 6 = 36 \text{ sq. ft.}$

Total area = 96 + 36 = 132 sq. ft.

IV. HOME-TO-SCHOOL COMMUNICATION

Dear Family Partner,

Please give me your reactions to your child's work on this activity. Write YES or NO for each statement.

- ____ l. My child understood the homework and was able to complete it.
- _____ 2. My child and I enjoyed the activity.
- _____ 3. This assignment helped me know what my child is learning in math.